

GENE MONITORING AND GENE IDENTIFICATION USING CDNA ARRAYS

Abstract of the Disclosure

cDNA microarrays are provided for increasing the accuracy and reliability of expression profiling techniques and for identifying new genes. An array comprises a plurality of nucleic acid members, each member having a unique position and stably associated with a solid support. Each nucleic acid member comprises a noncoding sequence present at either the 3'-end or the 5'-end of an RNA transcript (e.g., such as an untranslated region or UTR). In one embodiment, each nucleic acid member is less than 1000 nucleotides. In another embodiment, each nucleic acid member is less than 600 nucleotides. In a further embodiment of the invention, each nucleic acid member comprises substantially noncoding sequences.

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